

**CLAIMS**

5     What is claimed is:

1.     A method for generating a locale-sensitive version of a Java™ application, the method comprising:

10         determining whether a JAR (Java™ Archive) file comprises a first resource bundle, wherein the resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

15         in response to determining that the JAR file comprises a first resource bundle, retrieving a set of text strings from the first resource bundle;

       receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

20         generating a second resource bundle comprising the set of translated text strings; and

       storing the second resource bundle in the JAR file.

25     2.     The method of claim 1, wherein the step of determining whether a JAR file comprises a first resource bundle further comprises:

       obtaining a list of entries in the JAR file; and

       determining whether the JAR file comprises at least one Java™ “.class” entry.

30     3.     The method of claim 2 further comprising:

       in response to a determination that the JAR file comprises at least one Java™ “.class” entry, attempting to

load a class associated with the Java™ “.class” entry using the “ResourceBundle.getBundle()” method; and

in response to a successful load of the class associated with the Java™ “.class” entry, providing a  
5 positive indication for the determination that the JAR file comprises a first resource bundle.

4. The method of claim 1, wherein the step of determining whether a JAR file comprises a first resource bundle further  
10 comprises:

obtaining a list of entries in the JAR file; and  
determining whether the JAR file comprises at least one Java™ “.properties” entry.

15 5. The method of claim 4 further comprising:  
in response to a determination that the JAR file comprises at least one Java™ “.properties” entry, providing a positive indication for the determination that the JAR file comprises a first resource bundle.

20 6. The method of claim 1 further comprising:  
presenting an untranslated text string from the set of text strings from the first resource bundle within an editable field within a window; and

25 receiving user input for a translated text string corresponding to the untranslated text string.

7. The method of claim 1 further comprising:  
naming the second resource bundle in accordance with a  
30 language for the translated text strings and naming convention rules for resource bundles.

8. The method of claim 1 further comprising:

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extracting a copy of the first resource bundle from the  
JAR file; and

storing the copy of the first resource bundle in an  
external file.

9. An apparatus for generating a locale-sensitive version of a Java™ application, the apparatus comprising:

means for determining whether a JAR (Java™ Archive) file comprises a first resource bundle, wherein the resource  
5 bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

means for retrieving a set of text strings from the first resource bundle in response to determining that the JAR file comprises a first resource bundle;

10 means for receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

means for generating a second resource bundle comprising the set of translated text strings; and

15 means for storing the second resource bundle in the JAR file.

10. The apparatus of claim 9, wherein the means for determining whether a JAR file comprises a first resource  
20 bundle further comprises:

means for obtaining a list of entries in the JAR file;  
and

means for determining whether the JAR file comprises at least one Java™ “.class” entry.

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11. The apparatus of claim 10 further comprising:

means for attempting to load a class associated with the Java™ “.class” entry using the

“ResourceBundle.getBundle()” method in response to a  
30 determination that the JAR file comprises at least one Java™ “.class” entry; and

means for providing a positive indication for the determination that the JAR file comprises a first resource

bundle in response to a successful load of the class associated with the Java™ “.class” entry.

12. The apparatus of claim 9, wherein the means for  
5 determining whether a JAR file comprises a first resource bundle further comprises:

means for obtaining a list of entries in the JAR file;  
and

- 10 means for determining whether the JAR file comprises at least one Java™ “.properties” entry.

13. The apparatus of claim 12 further comprising:

means for providing a positive indication for the  
determination that the JAR file comprises a first resource  
15 bundle in response to a determination that the JAR file comprises at least one Java™ “.properties” entry.

14. The apparatus of claim 9 further comprising:

means for presenting an untranslated text string from  
20 the set of text strings from the first resource bundle within an editable field within a window; and  
means for receiving user input for a translated text string corresponding to the untranslated text string.

- 25 15. The apparatus of claim 9 further comprising:

means for naming the second resource bundle in  
accordance with a language for the translated text strings  
and naming convention rules for resource bundles.

- 30 16. The apparatus of claim 9 further comprising:

means for extracting a copy of the first resource bundle from the JAR file; and

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means for storing the copy of the first resource bundle  
in an external file.

17. A computer program product in a computer-readable medium for use in a data processing system for generating a locale-sensitive version of a Java™ application, the computer program product comprising:

5       instructions for determining whether a JAR (Java™ Archive) file comprises a first resource bundle, wherein the resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

10       instructions for retrieving a set of text strings from the first resource bundle in response to determining that the JAR file comprises a first resource bundle;

      instructions for receiving a set of translated text strings corresponding to a subset of the set of text strings  
15       from the first resource bundle;

      instructions for generating a second resource bundle comprising the set of translated text strings; and

      instructions for storing the second resource bundle in the JAR file.

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18. The computer program product of claim 17, wherein the instructions for determining whether a JAR file comprises a first resource bundle further comprises:

      instructions for obtaining a list of entries in the JAR  
25       file; and

      instructions for determining whether the JAR file comprises at least one Java™ “.class” entry.

19. The computer program product of claim 18 further comprising:

instructions for attempting to load a class associated with the Java™ “.class” entry using the

5 “ResourceBundle.getBundle()” method in response to a determination that the JAR file comprises at least one Java™ “.class” entry; and

10 instructions for providing a positive indication for the determination that the JAR file comprises a first resource bundle in response to a successful load of the class associated with the Java™ “.class” entry.

20. The computer program product of claim 17, wherein the instructions for determining whether a JAR file comprises a  
15 first resource bundle further comprises:

instructions for obtaining a list of entries in the JAR file; and

20 instructions for determining whether the JAR file comprises at least one Java™ “.properties” entry.

21. The computer program product of claim 20 further comprising:

25 instructions for providing a positive indication for the determination that the JAR file comprises a first resource bundle in response to a determination that the JAR file comprises at least one Java™ “.properties” entry.



22. The computer program product of claim 17 further comprising:

- instructions for presenting an untranslated text string from the set of text strings from the first resource bundle .
- 5 within an editable field within a window; and
- instructions for receiving user input for a translated text string corresponding to the untranslated text string.

10 23. The computer program product of claim 17 further comprising:

- instructions for naming the second resource bundle in accordance with a language for the translated text strings and naming convention rules for resource bundles.

15 24. The computer program product of claim 17 further comprising:

- instructions for extracting a copy of the first resource bundle from the JAR file; and
- 20 instructions for storing the copy of the first resource bundle in an external file.